

SEQUENCE LISTING

<110> MASHIMA, Yukihiro
 <120> METHOD FOR DIAGNOSING OR PREDICTING SUSCEPTIBILITY TO OPTIC NEUROPATHY
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 <140> US 10/593,103
 <141> 2006-09-15
 <150> PCT/JP2005/005601
 <151> 2005-03-18
 <150> US 60/553,986
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 <150> US 60/604,704
 <151> 2004-08-27
 <150> US 60/607,359
 <151> 2004-09-07
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ctgactatcc tagaaatcgc tgtcgcctta atccaagcct acgttttcac acttctagta 300

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 cagtggctgg actactctcg t 21

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 aatgtatatt tcaaaggagg ataaa 25

<210> 94
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 ccactgcgac gttaaaggagc a 21

<210> 95
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<213> Artificial Sequence
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 caaatccgaa ttccaatctg tataa 25

<210> 96
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 ttctgttcat tactaggcta tggaa 25

<210> 98
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 caggcagaat tatttcaaaa ccat 24

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 cgagaataca gtcagggctg g 21

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 aggcaatagg ttttgagggc cat 23

<210> 107
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 <400> 107
 gtagtggggcc ctgcaccttc t 21

<210> 108
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 aagtcgagta tggggacccc ccgttaa 27

<210> 109
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 ccccagtgtg tggccatatac ttctt 25

<210> 110
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 <400> 110
 gctgagaaga tgaaggaaaa gtc 23

<210> 111
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<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide primer

<400> 111

cctctacatg gccctgtcct

20

<210> 112

<211> 240

<212> DNA

<213> Homo Sapiens

<400> 112

caacagtgcac ttttccacag gaacttctgc aatgtcccat caacctctca gctgcctcac 60

tgaaaaggag gacagcccca gtgaaagcac aggaaatgga cccccccacc tggcccaccc 120

aaacctggac acgtttaccc cggaggagct gctgcagcag atgaaagagc tcctgaccga 180

gaaccaccag ctgaaagggt agcaggggtg gccctgtgtg gccccattca tcctgggcct 240

<210> 113

<211> 2077

<212> DNA

<213> Homo Sapiens

<400> 113

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agccaagccg ggcggcaggt gtggctttga tagctggtgg tgccacttcc tggccttgga 120

tgagccgtac gcctctgtaa acccaacttc ctcacctttg aaacagctgc ctggttcagc 180

attaatgaag attagtcagt gacaggcctg gtgtgctgag tccgcacata gaagaatcaa 240

aaatgtccaa aatgtaactg gagagaaagt gggcaacttt tggagtgact tttccacagg 300

aacttctgca atgtcccatc aacctctcag ctgcctcact gaaaaggagg acagccccag 360

tgaaagcaca ggaaatggac cccccacct ggcccaccca aacctggaca cgtttaccac 420

ggaggagctg ctgcagcaga tgaaagagct cctgaccgag aaccaccagc tgaaagaagc 480

catgaagcta aataatcaag ccatgaaagg gagatttgag gagctttcgg cctggacaga 540

gaaacagaag gaagaacgcc agttttttga gatacagagc aaagaagcaa aagagcgtct 600

aatggccttg agtcatgaga atgagaaatt gaaggaagag cttggaaaac taaaagggaa 660

atcagaaaagg tcattctgagg accccactga tgactccagg cttcccaggg ccgaagcgga 720

gcaggaaaag gaccagctca ggaccaggt ggtgaggcta caagcagaga aggcagacct 780

gttgggcatc gtgtctgaac tgcagctcaa gctgaactcc agcggctcct cagaagattc 840

ctttgttgaa attaggatgg ctgaaggaga agcagaaggg tcagtaaaag aaatcaagca 900

tagtcctggg cccacgagaa cagtctccac tggcacggca ttgtctaaat ataggagcag 960

atctgcagat ggggccaaga attacttcga acatgaggag ttaactgtga gccagctcct 1020

gctgtgccta aggggaagggga atcagaaggt ggagagactt gaagttgcac tcaaggaggc	1080
caaagaaaga gtttcagatt ttgaaaagaa aacaagtaat cgttctgaga ttgaaaccca	1140
gacagagggg agcacagaga aagagaatga tgaagagaaa ggcccggaga ctggttgaag	1200
cgaagtggaa gcactgaacc tccaggtgac atctctgttt aaggagcttc aagaggctca	1260
tacaaaactc agcgaagctg agctaataa gaagagactt caagaaaagt gtcaggccct	1320
tgaaaggaaa aattctgcaa ttccatcaga gttgaatgaa aagcaagagc ttgtttatac	1380
taacaaaaag ttagagctac aagtggaaa catgctatca gaaatcaaaa tggaacaggc	1440
taaaacagag gatgaaaagt ccaaattaac tgtgctacag atgacacaca acaagcttct	1500
tcaagaacat aataatgcat tgaaaacaat tgaggaacta acaagaaaag agtcagaaaa	1560
agtggacagg gcagtgtga aggaactgag tgaaaaactg gaactggcag agaaggctct	1620
ggcttccaaa cagctgcaaa tggatgaaat gaagcaaacc attgccaagc aggaagagga	1680
cctggaaacc atgaccatcc tcagggtcga gatggaagtt tactgttctg attttcatgc	1740
tgaaagagca gcgagagaga aaattcatga ggaaaaggag caactggcat tgcagctggc	1800
agttctgctg aaagagaatg atgctttcga agacggaggc aggcagtcct tgatggagat	1860
gcagagtcgt catggggcga gaacaagtga ctctgaccag caggcttacc ttgttcaaag	1920
aggagctgag gacagggact ggcggcaaca gcggaatatt ccgattcatt cctgccccaa	1980
gtgtggagag gttctgcctg acatagacac gttacagatt cacgtgatgg attgcatcat	2040
ttaagtgttg atgtatcacc tccccaaaac tgttggt	2077

<210> 114
 <211> 240
 <212> DNA
 <213> Homo Sapiens

<400> 114	
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caatgggtag gagaatgtcc agggctatga aagtcgagta tggggacccc cccttaacga	120
agacagggcc atgtagaggg cccagggag tgaaagagcc tccaggacct ccaggatatgg	180
aatacagggg acgtttaaga agatatggcc acacactggg gccctgagaa gtgagagctt	240

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 <211> 18
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<220>
 <223> Synthetic oligonucleotide primer

<400> 115
 ttggtggaga acaaaca

<210> 116
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 116
 gtggtggaga acaaaca 17

<210> 117
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 117
 ggtcttactg ggccactgtg agcgctc 27

<210> 118
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 118
 taacggggag aaaagg 16

<210> 119
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 119
 ttaacgggga gaaaagg 17

<210> 120
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <400> 120
 gcgatccttc agcccaagtg cccttc 26

<210> 121
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer

 <400> 121
 gaaaatcatt ttgggggagc 19

 <210> 122
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 122
 aaaaatcatt ttgggggagc 19

 <210> 123
 <211> 44
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <400> 123
 tgcctctctg agtcaatgta tttaccactt tccctgagaa atct 44

 <210> 124
 <211> 17
 <212> DNA
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 <220>
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 <400> 124
 cttgcctttc agcttgg 17

 <210> 125
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 125
 attgcctttc agcttgg 17

 <210> 126
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

<400> 126 gttgtgggtc acataacgct ctctggaggg t	31
<210> 127 <211> 14 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic oligonucleotide primer	
<400> 127 ctcctgggca ctgc	14
<210> 128 <211> 14 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic oligonucleotide primer	
<400> 128 ttcctgggca ctgc	14
<210> 129 <211> 29 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic oligonucleotide primer	
<400> 129 ctgcacagct tccccggctt cagaaaaca	29
<210> 130 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic oligonucleotide primer	
<400> 130 tttaagccgt atattgaaga aaa	23
<210> 131 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic oligonucleotide primer	
<400> 131 cttaagccgt atattgaaga aaa	23

<210> 132
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 132
 cttggttgta atttttgctc ttgctgggtt ccctcttcaa 40

<210> 133
 <211> 16
 <212> DNA
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 <220>
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 <400> 133
 gtcacagttg ccttgt 16

<210> 134
 <211> 16
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 <220>
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 <400> 134
 ctcacagttg ccttgt 16

<210> 135
 <211> 31
 <212> DNA
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 <400> 135
 ggaagaagga tcagagaaga gattcccgga t 31

<210> 136
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 <400> 136
 cttggggttt tcagtatga 19

<210> 137
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer
 <400> 137
 tttgggggttt tcagtatga 19

<210> 138
 <211> 38
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 138
 cccacaaatg ccaccagaac ttaacgattc ttcactta 38

<210> 139
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 139
 attcagtttc tatttctgct tg 22

<210> 140
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 140
 gttcagtttc tatttctgct tg 22

<210> 141
 <211> 43
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 141
 ctcattcccta tagttttaca agacagcaaa agattggtgg ctt 43

<210> 142
 <211> 290
 <212> DNA
 <213> Homo Sapiens
 <400> 142
 ttgaattcca cctccatcc ccagaaaaac tggagtaaaa caaaaagagg agatggacaa 60

agtgtgtatt	tgatggcatc	ccctgggaag	agactctaaa	tttatcccat	aggtcttact	120
gggccactgt	gagcgctttg	gtggagaaca	aacaaaaatt	ctgggtgctc	agttgtctaa	180
cctgaaaaat	gggactagcg	gaaaaagcca	atgtgttcca	tgcacctttt	gctttcttta	240
ttaaggcatg	atgtcacctg	tacagtaact	gccctgtgtg	tacttcaggg		290

<210> 143
 <211> 240
 <212> DNA
 <213> Homo Sapiens

<400> 143		
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acgctccgct	cgctgccttc	tctcctggca
60		
ggcgctgcct	tttctccccg	ttaaagggca
cttgggctga	aggatcgctt	tgagatctga
120		
ggaacccgca	gcgctttgag	ggacctgaag
ctgtttttct	tcgttttcct	ttgggttcag
180		
tttgaacggg	aggtttttga	tccctttttt
tcagaatgga	ttatttgctc	atgattttct
240		

<210> 144
 <211> 300
 <212> DNA
 <213> Homo Sapiens

<400> 144		
atccagtgga	agaaccacga	tcaaaacaac
cacaacacag	accggagcag	ccataaggac
60		
agcatgaact	gaccaccctt	agaagcactc
ctcgggtactc	ccataatcct	ctcggagaaa
120		
aaaatcacaa	ggcaactgtg	actccgggaa
tctctttctt	gatcctttct	ccttaattca
180		
ctcccacacc	caagaagaaa	tgctttccaa
aaccgcaagg	gtagactggg	ttatccaccc
240		
acaacatcta	cgaatcgtac	ttctttaatt
gatctaattt	acatattctg	cgtgttgtat
300		

<210> 145
 <211> 300
 <212> DNA
 <213> Homo Sapiens

<400> 145		
ttaatttttc	ttaaaatggt	aactggcagt
aagtcttttt	tgatcattcc	cttttccata
60		
taggaaacat	aattttgaag	tggccagatg
agtttatcat	gtcagtgaaa	aataattacc
120		
cacaaatgcc	accagaactt	aacgattctt
cacttcttgg	ggttttcagt	atgaacctaa
180		
ctccccaccc	caacatctcc	ctcccacatt
gtcaccattt	caaagggccc	acagtgactt
240		
ttgctgggca	ttttccaga	tgtttacaga
ctgtgagtac	agcagaaaat	cttttactag
300		

<210> 146
 <211> 360
 <212> DNA
 <213> Homo Sapiens

<400> 146

gaggtagagg	cagtgtaagc	caggctgttc	tcctggctct	tctttgaatt	attctttctc	60
tggtgtctgc	tacttcttgg	tactgtagtt	cttgcattcta	gtataaaaac	actaaatttg	120
ttgtcctatt	tttttctcac	tttccttttag	cgtcgagaag	tggcaaaaac	agttttctgc	180
ttggttgtaa	tttttgctct	ttgctggttc	cctcttcatt	taagccgtat	attgaagaaa	240
actgtgtata	acgagatgga	caagaaccga	tgtgaattac	ttaggtatga	tcctgtgtac	300
tcgctagaaa	attggagttt	ctcagatttt	catattttata	atacttttac	aaaaccagct	360

<210> 147
 <211> 360
 <212> DNA
 <213> Homo Sapiens

<400> 147	
ggaggagacg	gggaggacag actggaggcg tgttcctccg gagttttctt tttcgtgcga 60
gccctcgcgc	gcgcgtacag tcatcccgtt ggtctgacga ttgtggagag gcggtggaga 120
ggcttcatcc	atcccacccg gtcgtcgccg gggattgggg tcccagcgag acctccccgg 180
gagaagcagt	gcccaggagg ttttctgaag ccggggaagc tgtgcagccg aagccgccgc 240
cgcgccggag	cccgggacac cggccaccct ccgcgccacc caccctcgcc ggctccggct 300
tcctctggcc	caggcgccgc gcggaccgag cagctgtctg cgcacgccga gctccacggt 360

<210> 148
 <211> 300
 <212> DNA
 <213> Homo Sapiens

<400> 148	
taatcattcc	ctgatgaatt tttttaagtt taacatttgt tatataagat tttcttacag 60
aggagtatta	atcgtaaaaa ttctctcatc cctatagttt tacaagacag caaaagattg 120
gtggctgttc	agtttctatt tctgcttgcc attggccatc actgcatttt ttatacact 180
aatgacctgt	gaaatgttga gaaagaaaag tggcatgcag attgctttta atgatacct 240
aaagcaggta	agaaaataca aatatttgat aactcgtggt tgaatttata attatgaata 300

<210> 149
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer

<400> 149	
ccgcctcttc	gtcttcttca actg 24

<210> 150
 <211> 24
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 150
 gatagcaggt gaactcgaag ccca 24

<210> 151
 <211> 300
 <212> DNA
 <213> Homo Sapiens

<400> 151
 ttcttgcca acgtggtgaa ggccttcac cgcgagctgg tgcccgaacc cctcttcgtc 60
 ttcttcaact ggctgggcta cgccaactcg gccttcaacc ccatcatcta ctgccgcagc 120
 cccgacttcc gcaaggcctt ccagggaactg ctctgctgcg cgcgcagggc tgcccgccgg 180
 cgccacgcga ccacaggaga ccggccgcgc gcctcgggct gtctggcccg gcccggaacc 240
 ccgccatcgc ccggggccgc ctcggaacgac gacgacgacg atgtcgtcgg ggccacgccg 300

<210> 152
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer
 <400> 152
 catggatcaa ctcaacttga 20

<210> 153
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer
 <400> 153
 tatggatcaa ctcaacttga g 21

<210> 154
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide primer
 <400> 154
 tcttgtgcct tcagctgtga ggagggattt gaattaa 37

<210> 155
 <211> 600

<212> DNA
<213> Homo Sapiens

<400> 155
tgtttttatt ttattttaag ataaaaagaa ctattgaaga gcttggaac ttggttacct 60
tgggaaacgt attgctggag atgcaaaca aacttctaaag tgctctctcg tgtgttccag 120
ctgtgagatg cgatgctgtc caccagcccc cgaaggggtt ggtgaggtgt gctcattccc 180
ctattggaga attcacctac aagtcctctt gtgccttcag ctgtgaggag ggatttgaat 240
tacatggatc aactcaactt gagtgcacat ctcagggaca atggacagaa gaggttcctt 300
cctgccaaagg tagaattgag tgcagacttt tttaggggtac aggtcaaata cttcataaag 360
tttctgaacc tagattgccc caaaggggtt tggctctaatt ttcctacatg ctgaaaacta 420
agtagcgctt acactttaca ttcattgttg acttttaagc aagttttgga agttttccag 480
tagatttttc tgaaactctg cctgtgtacc taacatttgc agtggtaaaa tgttcaagcc 540
tggcagttcc gggaaagatc aacatgagct gcagtgggga gcccggtgtt ggcactgtgt 600

<210> 156
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 156
tgtcttcaga gccagtt 17

<210> 157
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 157
agtcttcaga gccagtt 17

<210> 158
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 158
agagctaattg aaagccagtc cattaggcag tatctccac 39

<210> 159
<211> 20
<212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 159
 aatcctggga gatgtatttg 20

<210> 160
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 160
 gatcctggga gatgtatttg 20

<210> 161
 <211> 49
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic oligonucleotide primer
 <400> 161
 agcactttta tggcacaaat gatcactatt ttcttgaccc ctacttact 49

<210> 162
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 162
 ccgttgctcc acca 14

<210> 163
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 163
 acgttgctcc acca 14

<210> 164
 <211> 53
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide primer
 (35/45)

<400> 164
actatcttat tttctttacct gaatctctga tcttcactaa gagtctgaat aat 53

<210> 165
<211> 1020
<212> DNA
<213> Homo Sapiens

<400> 165
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gcgaagctga ttgcgctcac cctcttgggg atgggactgg cactcttcag gaaccaccag 120
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